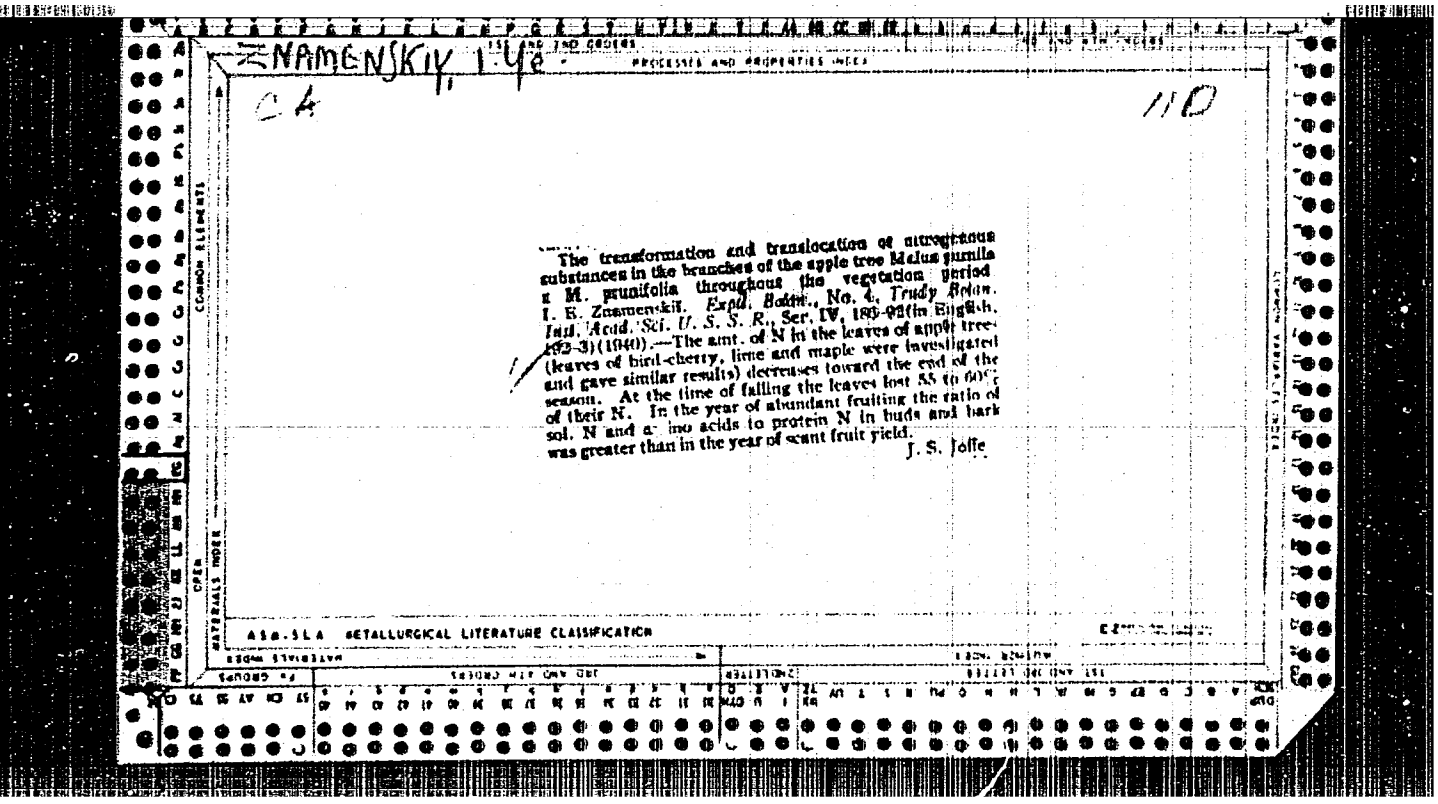


NAMENSKIY, I. Ye.

C4

110

The transformation and translocation of nitrogenous substances in the branches of the apple tree Malus pumila x M. prunifolia throughout the vegetation period. I. B. Zaumenskii. *Exptl. Bakter., No. 4, Trudy Bolon. Inst. Acad. Sci. U. S. S. R., Ser. IV, 189-98* (in English, 193-3)(1940).—The amt. of N in the leaves of apple trees (leaves of bird-cherry, lime and maple were investigated and gave similar results) decreases toward the end of the season. At the time of falling the leaves lost 55 to 60% of their N. In the year of abundant fruiting the ratio of sol. N and amino acids to protein N in buds and bark was greater than in the year of scant fruit yield.

J. S. Joffe

A58-5LA METALLURGICAL LITERATURE CLASSIFICATION

ZNAMENSKIY, I. YE.

Znamenskiy, I. Ye. "Physiological and biochemical characteristics of xerophytes," Trudy Botan. in-ta im. Komarova, Eksperim. Botanika, Issue 6, 1948, p. 93-146 - Bibliog: p. 144-46

SO: U-3264 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

BARABADZE, I.I.; BAKRADZE, G.S.; BERIDZE, G.I.; VAKHVAKHISHVILI, N.I.; GABUNIYA, G.A.; GABUNIYA, Sh.V.; GANGIYA, A.A.; GOGOBERIDZE, Ya.A.; DZIMISTARISHVILI, A.I. [deceased]; ZNAMENSKIY, K.F.; KVANTALIANI, N.A.; NIKOLAYSHVILI, V.S.; TOPADZE, L.I.; KHUNTSARIYA, A.G.; YAKOBASHVILI, N.Z.; DZHOMARDZHIDZE, G.S., red.; ROYNISHVILI, N.I., red.; PRITYKINA, L.A., red.; KISINA, Ye.I., tekhn. red.

[Food industry of the Georgian S.S.R. during the last 40 years] Pishchevaia promyshlennost' Gruzinskoi SSR za 40 let. Moskva, Pishchepromizdat, 1961. 162 p. (MIRA 14:9)
(Georgia--Food industry)

COUNTRY : USSR
CATEGORY : Cultivated Plants - Forage Crops.

ABS. JOUR. : RZhBiol., No.14, 1958, No. 63472

AUTHOR : Znamenskiy, [illegible]
INST. :
TITLE : Sudan Grass Under the Conditions of Irrigation.

ORIG. PUB. : Zemledeliye, 1957, No. 12, 97

ABSTRACT : In the experiment at [illegible] experimental station in 1954-1955 on continuous and wide-row sowings with the application of mineral fertilizers after irrigation, Sudan grass sprouted well. Without irrigation, the best sprouting of the plants was noted in wide-row sowings but it was much less than with irrigation. In irrigation by continuous sheet flooding, a thorough planting of the field prior to sowing, and the threading of water-retaining shafts perpendicularly to the tempory feeder irrigator are necessary. The length of the strip is about 100 m. For securing seeds,

Card: 1/2

97

ZHAMENSKIY, L.N.

Sudan grass in irrigation farming. Zemledelie 5 no.12:87 D '57.
(MIRA 11:1)

(Sudan grass)

ZNAMENSKIY, L. N.

Millet

Foxtail millet on collective farms of the Rovno Province, Ukraine., Korm. baza, 2, no. 12, 1951.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

ACC NR: AP7000973 SOURCE CODE: UR/0209/66/000/012/0036/0038

AUTHOR: Znamenskiy, M. (Engineer, Major); Khitrov, A. (Engineer, Captain 3d rank)

ORG: none

TITLE: Night aerial photography at supersonic speed

SOURCE: Aviatsiya i kosmonavtika, no. 12, 1966, 36-38

TOPIC TAGS: aerial photography, night photography, high speed photography

ABSTRACT: The authors state that calculations and experience in night photography at supersonic speed, using photoflash bombs for accomplishing photography through the turbulence layer, prove that the best results are obtained when the camera has a small focal length and a large-diameter objective. There should be a minimal deflection of the optical axis from the vertical, and the camera should be positioned in the forward section of the aircraft. Data on the tilt angle (see Fig. 1) for nighttime aerial cameras can be calculated by the formula

$$\alpha = 90^\circ - \operatorname{arctg} \frac{H}{\frac{a}{M} t_s - \frac{H}{\operatorname{tg}\varphi}},$$

where a is the speed of sound for the flight altitude (m/sec), φ is the angle of the photoflash bomb's departure, H is the aircraft's flight altitude, Hp

Card 1/2

ACC NR: AP7000973

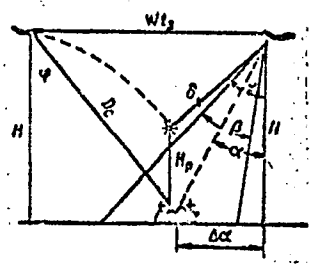


Fig. 1. Night photography at supersonic speeds

is the height of the photoflash bomb's burst, α is the nighttime aerial camera's tilt angle, Dc is the distance the photoflash bomb is dropped, M is the Mach number, and t_3 is the time lag for the timed fuze. Orig. art. has: 3 figures and 4 formulas. [WS]

SUB CODE: 14/ SUBM DATE: none/ ATD PRESS: 5110

Card 2/2

TITLE: Aerial photography at supersonic speeds

SOURCE: Aviatsiya i kosmonavtika, no. [illegible], 1966, 69-71

GORSHANOVA, Ye.N.; ZNAMENSKIY, M.G.

Leptospirosis in dogs in Dagestan. Zhur.mikrobiol.,epid. i immun. 41 no.5:72-77 My '64. (MIRA 18:2)

1. Dagestanskiy nauchno-issledovatel'skiy institut pitatel'nykh sredstv.

USSR/Medicine - Peritonitis Sep 49
Penicillin

PA 150T52

"Treatment of Acute Peritonitis With Penicillin," Docent M. S. Znamenskiy, Hon Dr RSFSR, Hosp Surg Clinic, Molotov Med Inst, 2½ pp

"Feldsher" No 9

Treatment recommended for acute peritonitis includes: elevation of blood pressure by continuous instillations of a physiologic salt solution, containing preferably glucose and adrenalin; eliminating the impermeability of the intestines by jejunostomy and removing

150T52

USSR/Medicine - Peritonitis (Contd) Sep 49

the toxic content; probing the duodenum and gastric lavage; eliminating the pathogenesis of the infection and complications by penicillin administered internally, intravenously, or intraperitoneally (Gramicidin and sulfonamides may also be used). Acting Superintendent, Surg Clinic: Docent M. S. Znamenskiy.

150T52

ZNAMENSKIY, DOCENT M. S.

ZNAMENSKIY, M.S.

Method of resection of the stomach in perforating peptic ulcer. Khirurgiia, Moskva no.5:54-56 May 50. (CIML 19:4)

1. Of the Hospital Surgical Clinical (Acting Director — Docent M.S.Znamenskiy) Molotov Medical Institute.

ZNAMENSKIY, M. S.

Znamenskiy, M. S. - "Bleeding and blood transfusion as a method of treatment in corrosive poisoning," In the symposium: V. N. Shamov, Kiev, 1949, p. 219-25

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949.)

ZNAMENSKIY, M. S.

ZNAMENSKIY, M. S. - "Fractures of the Hip in Soldiers During World War II." Sub 14 Oct 52, Central Inst for the Advanced Training of Physicians. (Dissertation for the Degree of Doctor in Medical Sciences).

SO: Vechernaya Moskva January-December 1952

ZHAMENSKIY, M.S.

Individual aseptic dressing. Sovet. med. 17 no.11:46 Nov 1953.
(CIML 25:5)

1. Honored Physician RSFSR, Chief Traumatologist for Molotov Oblast.

ZNAMENSKIY, M.S.

Excerpta Medica 1/1 sec 17 Jan 55 Pub. Health, Social Medicine & Etc

307. ZNAMENSKIY M.S. *Single aseptic dressing (Russian text)
SOVETSK. MED. 1953, 11 (46) Illus. 1

A method for the preparation of single packages of dressings considered particularly useful for all first aid posts, factories and isolated areas at a distance from a clinic or hospital is described. The dressing, consisting of a layer of cotton wool covered by gauze, is wrapped in several layers of paper to avoid the penetration of air and dust. A certain number of these packages are sterilized together and then kept in a glass container. Bacteriological examinations showed that they remained sterile for 30 days.

Parenti - Ferrara (IX, 17)

ZNAMENSKIY, M.S., doktor meditsinskikh nauk

Electrosurgical resection of the stomach. Khirurgiia no.7: 46-48 Jl '55. (MLRA 8:12)

1. Zasluzhennyy vrach RSFSR. Iz kafedry gospital'noy khirurgii (zav.-prof1 S. Yu. Minkin) Molotovskogo meditsinskogo instituta i kafedry operativnoy khirurgii i topograficheskoy anatomii (zav.-dotsent M.S.Znamenskiy) Kirgizskogo meditsinskogo instituta (dir. A.A.Aydaraliyev)

(STOMACH, surg.
gastrectomy, electrosurg.)

ZNAMENSKIY, M.S.

ZNAMENSKIY, M.S., doktor meditsinskikh nauk

Alloplastic restoration of the hip joint. Ortop.travm. i protez. no.4:31-33 Jl-Ag '55. (MLRA 8:10)

1. Zasluzhennyy vrach RSFSR. Iz gospital'noy khirurgicheskoy kliniki (zav.-prof. S. Yu Minkin) Molotovskogo meditsinskogo instituta i kafedry operativnoy khirurgii i topograficheskoy anatomii (zav.-dots. M.S.Znamenskiy) Kirgizskogo meditsinskogo instituta (dir. A.A.Aydaraliyev)

(HIP, surgery, atrthroplasty)

ZNAMENSKIY, M.S., zasluzhennyy vrach RSFSR, professor

Ostoplastic subtrochanteric osteotomy of the femur. Ortop.travm. i protez. 17 no.6:94-95 N-D '56. (MLRA 10:2)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zaveduyushchiy - professor M.S.Znamenskiy) Kirgizskogo meditsinskogo instituta (direktor - F.N.Nurgaziyeva)
(FEMUR--SURGERY)

ZNAMENSKIY, M.S.; PRESS, R.S., red.

[Tuberculosis of the bones and joints] Tuberkulez kostei i sustavov. Frunze, Respublikanskii dom sanitarnogo prosv. 1965. 23 p. (MIRA 18:12)

ZNAMENSKIY, M.S.; SHAPIRO, B.M.

Teratomas of the retroperitoneal space. Sov. zdrav. Kir. no.6:50-52 N-D'62. (MIRA 16:6)

1. Iz khirurgicheskogo otdeleniya (zav. - kand.med.nauk V.S. Kononov) Kirgizskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva (dir. - kand.med. nauk A.A. Il'in) i kafedry patologicheskoy anatomii (zav. - zasluzhennyy deyatel' nauki Kirgizskoy SSR B.F.Malyshev) Kirgizskogo gosudarstvennogo medistinskogo instituta
(RETROPERITONEAL SPACE--TUMORS)

ZNAMENSKIY, M.S., prof., zasluzhennyy vrach RSFSR

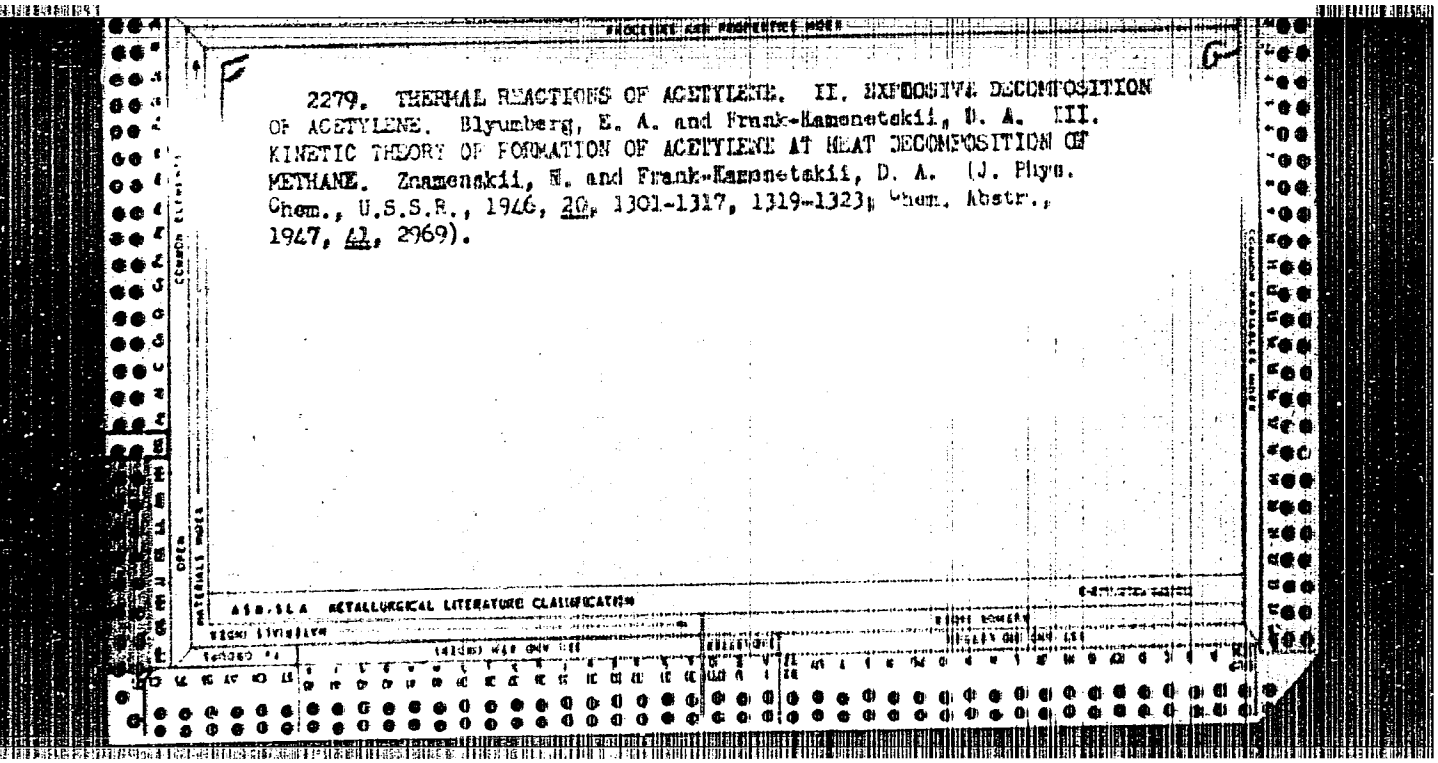
Treatment of supracondylar fractures of the femur. Ortop., travm.i protez. 23 no.6:46-49 Je '62. (MIRA 15:9)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii Kirgizskogo meditsinskogo instituta (rektor - F.N. Nurgaziyeva).
(FEMUR—FRACTURE)

ZNAMENSKIY, M.S., prof.

Closure of intestinal fistulae. Khirurgiia 37 no.3:30-35 Mr '61. (MIRA 14:3)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zav. - zasluzhennyy vrach RSFSR prof. M.S. Znamenskiy) Kirgizskogo meditsinskogo instituta.
(FISTULAE)



2279. THERMAL REACTIONS OF ACETYLENE. II. EXPLOSIVE DECOMPOSITION OF ACETYLENE. Blyumberg, E. A. and Frank-Kamenetskii, D. A. III. KINETIC THEORY OF FORMATION OF ACETYLENE AT HEAT DECOMPOSITION OF METHANE. Znamenskii, N. and Frank-Kamenetskii, D. A. (J. Phys. Chem., U.S.S.R., 1946, 20, 1301-1317, 1319-1323; Chem. Abstr., 1947, 41, 2969).

ZNAMENSKIY, M.S., prof.; YERUSALIMSKIY, Ye.I. (Frunze)

Evaluating the effectiveness of the signaling system in industrial traumatism. Sov. zdrav. 21 no.5:59-62 '62. (MIRA 15:5)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zav.-prof. M.S. Znamenskiy) Kirgizskogo meditsinskogo instituta.
(INDUSTRIAL ACCIDENTS)

ZNAMENSKIY, M.S., prof. (Frunze).

A comment on V.A.Talantov's article "On halisteresis." Ortrop. travm.i protez. 21 no.3:75-76 Mr '60. (MIRA 14:3)
(OSTEOMALACIA) (TALANTOV, V.A.)

ZNAMENSKIY, M.S., prof.; YERUSALIMSKIY, Ye.I. (Frunze)

Effectiveness of the signaling system in industrial trauma. Sov.zdrav. 18 no.10:22-24 '59. (MIRA 13:2)

1. Iz travmatologicheskogo otdeleniya Kirgizskoy respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach K.S. Nigmatulin) i Frunzenskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach Z.P. Grinberg).

(ACCIDENTS INDUSTRIAL)

ZHAMENSKIY, M.S., prof., zasluzhennyy vrach RSFSR (Frunze); OBORIN, N.A. (L'vov)

Concerning N.A.Oborin's article "On the history of N.I.Pirogov's invention of the plaster bandage." Ortop.travm. i protez. 18 no.6: 62-64 N-D '57. (MIRA 11:4)

(PLASTER CASTS, SURGICAL)

LAVROV, Nikolay Nikolayevich; KRAVCHUK, Nadezhda Vasil'yevna; ZNAMENSKIY, M.S., prof., red.

[Central nervous system; methodological textbook for conducting practical work] TSentral'naia nervnaia sistema; metodicheskoe posobie k provedeniiu prakticheskikh zaniatii. Frunze, Kirgizskii gos. med. in-t, 1961. 66 p.
(MIRA 18:8)

ZNAMENSKIY, Mikhail Yevgen'yevich; RODIONOVA, Z.A., red.; GOLOVKO, B.N., tekhn.red.; SHCHEPTEVA, T.A., tekhn.red.

[Geometrical figures in technical forms. Textbook for teachers of secondary schools] Geometricheskie figury v tekhnicheskikh formakh; posobie dlia uchitelei srednei shkoly. Moskva, Gos. uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1960. 152 p. (MIRA 13:4)

(Geometrical drawing--Study and teaching)

TARASOV-AGALAKOV N.; VOZYAKOV, V.; GOLUBEV, S.; LAVROV, D.; AMAKOV, I.; GELAKH, V.; BOLANIN, N.; KASHCHENKO, V.; MAKAROV, M.; GOLOSTIN, M.; ZHAMGUSKIY, N.; DZHALALOV, Ye.; GLEBOV, V.; CHUKAYSHET, F.; D'YAKOV, N.; BRAUN, P.

Georgii Innokent'evich Zhukov; obituary. Pozh.delo 5 no.7:32 Jy '59. (MIRA 12:9)
(Zhukov, Georgii Innokent'evich, d.in 1959)

ZNAMENSKIY, N.D.

Microclinization phenomena in the granodiorite massifs of gabbro-peridotite formations of the Urals. Dokl. AN SSSR 98 no.6:1027-1028 O '54. (MLRA 8:2)

1. Gorno-geologicheskiy institut Ural'skogo filiala Akademii nauk SSSR. Predstavleno akademikom A.G.Betekhtinym.
(Ural Moutain region--Granodiorite)

USSR/ Minerals - Petro

Card

ZNAMENSKIY, N.D.; FOMINYKH, V.G.

Composition of titanomagnetites in granitoids of the gabbro series of the Central Urals. Dokl. AN SSSR 146 no.3:686-688 S '62. (MIRA 15:10)

1. Gorno-geologicheskiy institut Ural'skogo filiala AN SSSR.
(Ural Mountains—Titanomagnetite)

ZNAMENSKIY, N.D.

Clinozoisite from garnet-pyroxene rocks of Volodya-Keu Mountain (Polar Urals). Trudy Gor.-geol. inst. UFAN SSSR no.34:57-62 '58. (MIRA 14:10)

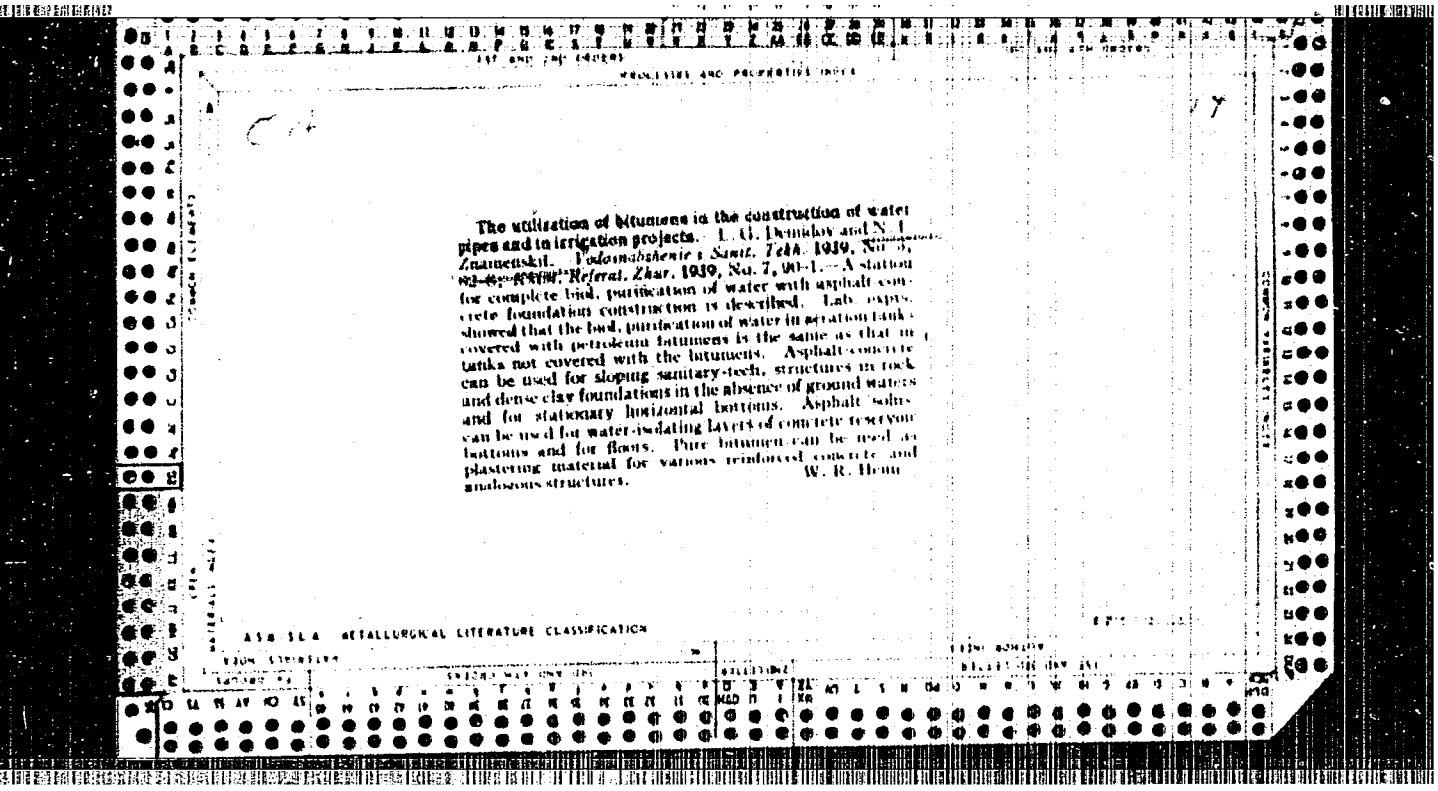
(Ural Mountains--Clinozoisite)

ZNAMENSKIY, N.D.

Using magnetometry in geologic investigations. Trudy Gor.geol.inst. UFAN SSSR no.6:191-205 '60. (MIRA 14:10)
(Ural Mountains--Magnetic prospecting)

ZNAMENSKIY, N.D.

Micrographic textures in the granitoid massifs of gabbroic formation in the Urals. Trudy Inst. geol. UFAN SSSR no.70: 35-38 '65. (MIRA 18:12)



The utilization of bitumens in the construction of water pipes and in irrigation projects. I. G. Demidov and N. I. Znamenskii. *Vodosnabzhenie i Sanit. Tekh.* 1939, No. 7, 30-1.—A station for complete biol. purification of water with asphalt concrete foundation construction is described. Lab. experiments showed that the biol. purification of water in aeration tanks covered with petroleum bitumens is the same as that in tanks not covered with the bitumens. Asphalt-concrete can be used for sloping sanitary-tech. structures in rock and dense clay foundations in the absence of ground waters and for stationary horizontal bottoms. Asphalt solns. can be used for water-isolating layers of concrete reservoir bottoms and for floors. Pure bitumen can be used as plastering material for various reinforced concrete and masonry structures.

W. R. Hoon

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

STENDER, V.V.; ZNAMENSKIY, G.N.

Determining active electric current density in the electrodeposition of zinc at high current densities. Nauch.dokl.vys.shkoly; khim.i khim.tekh. no.1:189-192 '59. (MIRA 12:5)

1. Predstavlena kafedroy tekhnologii elektrokhimicheskikh proizvodstv Dnepropetrovskogo khimiko-tekhnologicheskogo instituta.

(Zinc plating) (Electric currents)

ZHAMERSKIY, M.A. (Moskva); LEBEDEV, V.P. (Moskva); CHUKANTSOV, S.M. (Kaluga)

Polytechnical problems in mathematics courses. Mat. v shkole no.2:24-32 Mr-Ap '59. (MIRA 12:6)
(Mathematics--Problems, exercises, etc.)

SHUR, A.S.; YEL'KINA, N.T.; ZNAMENSKIY, N.D.

Ultraporosity and microporosity of microline- perthites.
Trudy Gor.-geol.inst. UFAN SSSR no.56:85-90 '61. (MIRA 15:7)
(Perthite) (Microline)

ZNAMENSKIY, N.M.

Wine and Wine Making

Regulating supply of material in the wine industry. Vin. SSSR 12 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

ZNAMENSKIY, Nikolay Nikolayevich; GUL', V.Ye., prof., doktor khim. nauk, retsenzent; VLODAVETS, I.N., kand. khim. nauk, retsenzent; MOROZOVA, I.I., red.; SATAROVA, A.M., tekhn. red.

[Polymer materials in the dairy industry] Polimernye materialy v molochnoi promyshlennosti. Moskva, Pishchepromizdat, 1963. 190 p. (MIRA 16:5)
(Dairy industry--Equipment and supplies)
(Polymers)

ZNAMENSKIY, N.N.

MIKHLIN, E.D.; PORETSKAYA, L.I.; ZNAMENSKIY, N.N.

Using liquid products of the pyrolysis of vulcanized rubber in rubber mixtures. Kauch.i rez.16 no.9:16-21 S '57. (MIRA 10:12)

1. Nauchno-issledovatel'skiy institut rezinovykh i latekhnykh izdeliy.
(Rubber)

PROKHOROVA, Ye.K. (Moskva, Smolenskaya ulitsa, 6, kv.13); ZNAMENSKIY, N.N. (Moskva, V-296, Lomonosovskiy prospekt 14, kvartira 520)

Content of 3,4-benzopyrene in paraffins of Soviet origin. Vop. onk. 9 no.8:72-78 '63 (MIRA 17:4)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta molochnoy promyshlennosti.

~~ZUYEV, Yu.S.~~
ZNAMENSKIY, N.N.

AUTHORS: Zuyev, Yu.S., Pravednikova, S.I. 76-11-33/35

TITLE: On the Article by N.N. Znamenskiy "On the Kinetics of the Interaction Between Ozone and Rubber" (Po povodu stat'i N.N.Znamenskogo "K voprosu o kinetike vzaimodeystviya ozona s rezinoy")

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1957, Vol. 31, Nr 11, pp. 2586-2588 (USSR)

ABSTRACT: The article is criticised, and faults are pointed out one by one and dealt with in form of a summary; it is contented that Znamenskiy's method for an accurate investigation of the kinetics of bursting under the influence of ozone is not to be used in practice, that it is too complicated for mass-experiments, and that it is not provided with the necessary equipment and devices. For these purposes it is necessary to employ methods in which, during the test, the deformation, the average value of tension, and other factors remain constant [Ref. 14]. There are 3 figures and 14 references, 11 of which are Slavic.

Card 1/2

76-11-33/35

On the Article by N.N.Znamenskiy "On the Kinetics of the Interaction Between Ozone and Rubber

ASSOCIATION: Moscow Institute for the Rubber Industry (Institut rezinovoy promyshlennosti, Moskva)

SUBMITTED: November 3, 1956

AVAILABLE: Library of Congress

Card 2/2

AUTHOR: Znamenskiy, N. N. and Selivanov, O. A. SOV/138-58-4-11/13

TITLE: Preparation of Water - Oil Emulsions with the Aid of an Acoustic Hydrodynamic Vibrator. (Prigotovleniye vodno-maslyanykh emul'siy pri pomoshchi zvukovogo gidrodinamicheskogo vibratora).

PERIODICAL: Kauchuk i Rezina, 1958, Nr.4. pp. 35. (USSR).

ABSTRACT: The physico-chemical laboratory of NIIR developed during 1957 a method for preparing water - oil emulsions based on using the emulsifying action of the vibrations of a sound band. The hydrodynamic vibrator used for creating the vibrations is of very simple construction. The vibrations are created in a metallic plate by an impact at the end plate by a jet of liquid which is under a pressure of several atmospheres (Fig.1). The emulsion is prepared in a plant, the setting-up of which is shown in Fig.2. 100 litre of emulsion (with a concentration of the dispersion phase equal to 60 - 65%) can be made during one hour. The effidiency of the plant can be increased considerably when preparing less concentrated emulsions. The frequency of the vibrations = 2 - 5 kilohertz. The pressure of the liquid, which is of the order of 5 - 10 atmospheres, is achieved by using

Card 1/2

SOV/138-58-4-11/13

Preparation of Water - Oil Emulsions with the Aid of an Acoustic Hydrodynamic Vibrator.

a pinion pump ShDP-18. 100 kw of electric energy is used for 1,000 litres of emulsion. This apparatus was used in the institute for preparing aqueous emulsions of dibutylsebacate, dioctylsebacate, vaseline oil and other plasticisers which are used in the rubber industry.

ASSOCIATION: Research Institute for Rubber and Latex Goods (Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy).

Card 2/2 1. Oil-water mixtures--Preparation 2. Plasticizers--Production 3. Vibration mechanisms--Design 4. Sound--Applications

ZHAMENSKIY, N.N.

Kinetics of the interaction of rubber with ozone [with English summary in insert]. Zhur.fiz.khim.30 no.5:1092-1099 My '56. (MLRA 9:9)

1. Institut rezinovykh izdeliy shirokogo potrebleniya, Moskva.
(Rubber) (Ozone)

ZNAMENSKIY, N.N.; SELIVANOV, O.A.

Destruction of natural rubber in solution by ultrasonic waves.
Kauch. i rez. 17 no.9:37-38 S '58. (MIRA 11:10)

1.Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy.
(Ultrasonic waves) (Rubber)

S/727/61/000/000/005/009
I031/I242

AUTHORS: Znamenskiy, N.N., Chernaya, V.V., Novikov, V.I.

TITLE: Effect of ultrasonic waves on the properties of chloroprene latex

SOURCE: Sintez lateksov i ikh primeneniye. Ed. by A.V. Lebedev, A.B. Peyzner, and N.A. Fermor. Leningrad, Goskhimizdat, 1961, 163-169

TEXT: Long-chain polymers undergo structural changes as a result of the dispersing effect of ultrasonic waves. The effect of ultrasonic waves on a colloidal solution and on the polymer contained in it was studied. Particular attention was given to the α - and μ - polymers in a chloroprene latex. Specimens containing 46.3% of polymer were exposed to ultrasonic waves of 22 and 300 kc. It was found that a 90 min exposure produces an insignificant effect on viscosity, starting point of coagulation, pH of solution, and solubility of the rubber in dichloroethane. The extent of adsorption of emulgator on particle surface is diminished so that the mean diameter of par-

Card 1/2

S/727/61/000/000/005/009
I031/I242

Effect of ultrasonic waves...

ticles decreases. This phenomenon indicates the dispersing effect of ultrasonic action on latex particles. A destructive effect of ultrasonic waves on an α -polymer dissolved in dichloroethane was observed, accompanied by a reduction in the viscosity of the solution. The μ -polymer, with a highly stable structure is affected to a slight extent. Only 7.76% dissolves in dichlorethane upon a 6 hrs exposure to 300 kc ultrasonic waves. There are 2 figures and 5 tables.

ASSOCIATION: NIIR

Card 2/2

5(4);5(9)

AUTHOR: Znamenskiy, N. N. SOV/76-32-10-37/39

TITLE: Reply to the Remarks by Yu.S.Zuyev and S.I.Pravednikova on the Paper by N.N.Znamenskiy "On the Kinetics of the Interaction of Rubber With Ozone" (Otvet Yu.S.Zuyeva i S. I.Pravednikovoy na ikh zamechaniya k stat'ye N.N. Znamenskogo "K voprosu o kinetike vzaimodeystviya ozona s rezinoy")

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol 32, Nr 10, pp 2462 - 2463 (USSR)

ABSTRACT: It is pointed out that the assumption by Zuyev and Pravednikova (1) that the sentence "... the velocity of the chemical reaction of ozone with rubber... can be determined according to the velocity of its expansion (that of rubber) in the initial period of the reaction ..." was the basis of the paper mentioned in the title was completely wrong. This is underlined by some quotations from that paper (Ref 2). In contrast to the statements of (1) there does not exist a uniform opinion concerning the influence of the voltage

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on the velocity of the interaction of ozone with rubber, which fact is proved by the data supplied by Newton (N'yuton)(Ref 5), Throdahl (Trodal)(Ref 6), as well as by those of Powell and Gough (Poul and Guk) (Ref 7). A table is given which was not presented in the critical reply on the paper (Ref 1)(Ref 2) and which shows that the function curve of the expansion velocity versus the extent of deformation has neither a maximum nor a minimum. In the USSR there exist at present 2 quantitative methods of determining the ozone resistance of vulcanizates, the one according to Zuyev and Pravednikova (Ref 1), and the other according to Znamenskiy (Ref 2). The method devised abroad by Buckley and Robinson (Bukli and Robinzon) (Ref 8) combines these two Russian methods and therefore is more perfect. There are 1 table and 8 references, 2 of which are Soviet.

Reply to the Remarks by Yu.S.Zuyev and S.I.Pravednikova SOV/76-32-10-37/39
on the Paper by N.N.Znamenskiy "On the Kinetics of the Interaction
of Rubber With Ozone"

ASSOCIATION: Nauchno-issledovatel'skiy institut reziinovykh i latekznykh izdeliy (Scientific Research Institute of Rubber and Latex Articles)

SUBMITTED: January 28, 1958

Card 3/3

ZNAMENSKIY, N. N.

Wine and Wine Making

Improve quality of wine from hybride - "direct producers." Vin. SSSR 12 No. 7 1952

Monthly List of Russian Accessions, Library of Congress October 1952 Uncl.

1. ZNAMENSKIY, N. N.; BRUSILOVSKIY, S. A.

2. USSR (600)

4. Champagne (Wine)

7. Struggle to improve the quality of Soviet champagne, Vin. SSSR, 12, No. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

S/081/60/000/021/016/018
A005/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 21, p. 505, # 86906

AUTHORS: Znamenskiy, N. N., Selivanov, O. A.

TITLE: The Application of Elastic Vibrations to Certain Processes in the Latex Technology

PERIODICAL: Tr. N.-i. in-ta resin. i lateksn. izdeliy, 1959, sb. 2, pp. 146-154

TEXT: The authors studied the preparation processes of emulsions of various liquids and the washing off processes of rubber articles from latex by means of a hydrodynamic vibrator. The vibrator with cantilever fixing of a plate ensures the most stable operation conditions. The resonance was observed at 1.5 - 5 kc for 10 at liquid pressure. The distance between the nozzle and the plate varied hereat from 10 to 3 mm. At the distance between the nozzle and the plate $\leq$0.1 mm, plate vibrations were observed at a frequency of $<$1 kc. In the majority of the tests conducted, water was the liquid driven through the vibrator. The adjustment of the vibrator was performed by means of a sound pressure gage constructed by the authors on the basis of the developments of the Akusticheskiy Institut AN SSSR (Institute of Acoustics of the Academy of Sciences USSR) together with a frequency

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S/081/60/000/021/016/018
A005/A001

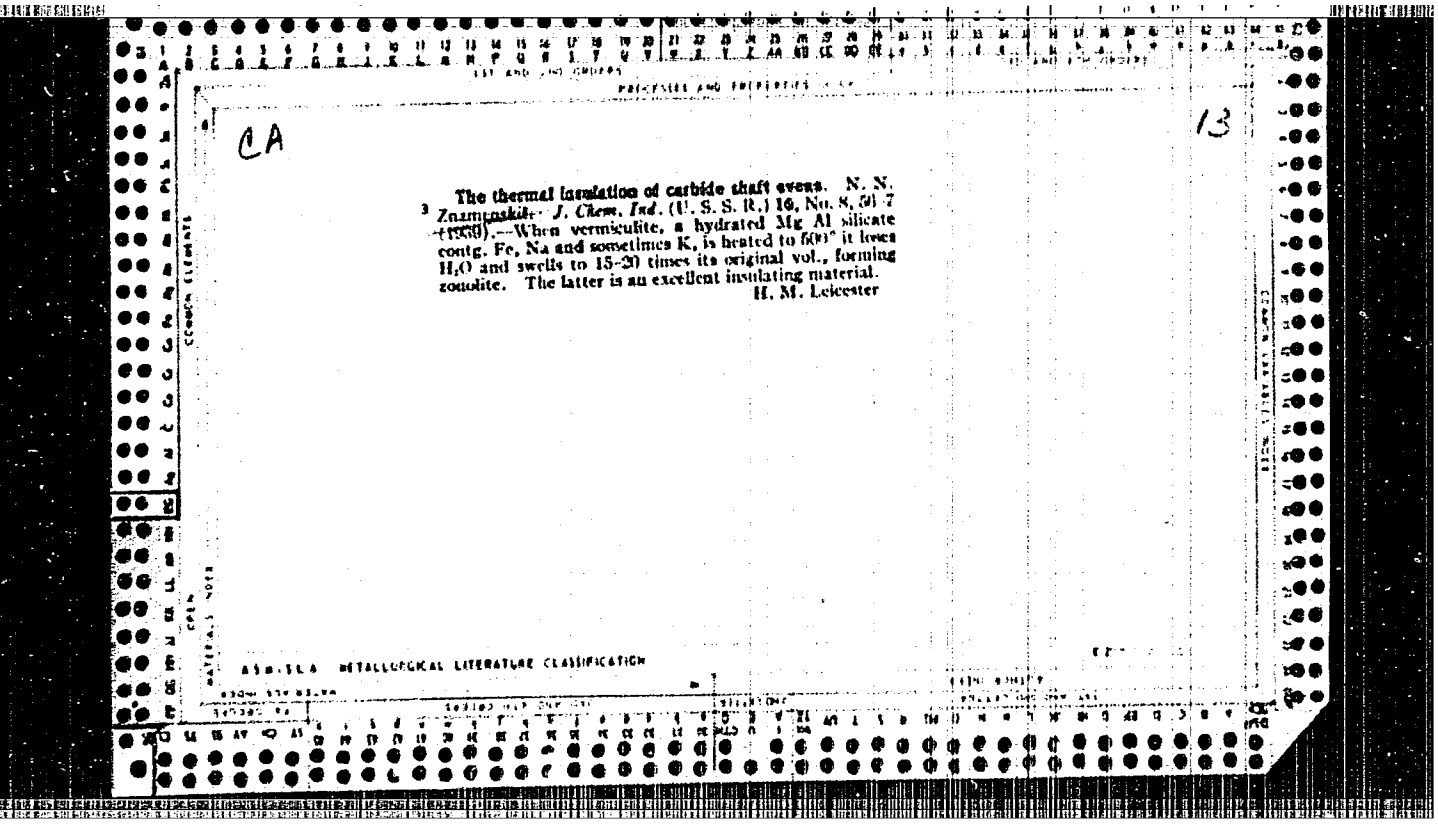
The Application of Elastic Vibrations to Certain Processes in the Latex Technology

meter ИЧ-6 (ICh-6), the device permits the measurement of the vibration frequency and the relative value of the sound pressure in the liquid. The 20%-emulsion of lubricating oil was obtained sufficiently stable after a few passages of the liquid through the vibrator. The addition of surface-active substances considerably increases the emulsion stability. Gloves produced from latex by way of ion precipitation were placed into a vessel with flowing water in which the vibrator operated. The washing off of the gloves was accelerated by about 5 times at frequencies of 5-8 kc. With decreasing frequency down to 1-2 kc the effect sharply decreased. The possibility is pointed out of the operation of an industrial unit for the preparation of 60%-emulsions with an output of 1-2 l/min.

I. Pil'menshteyn

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2



CA

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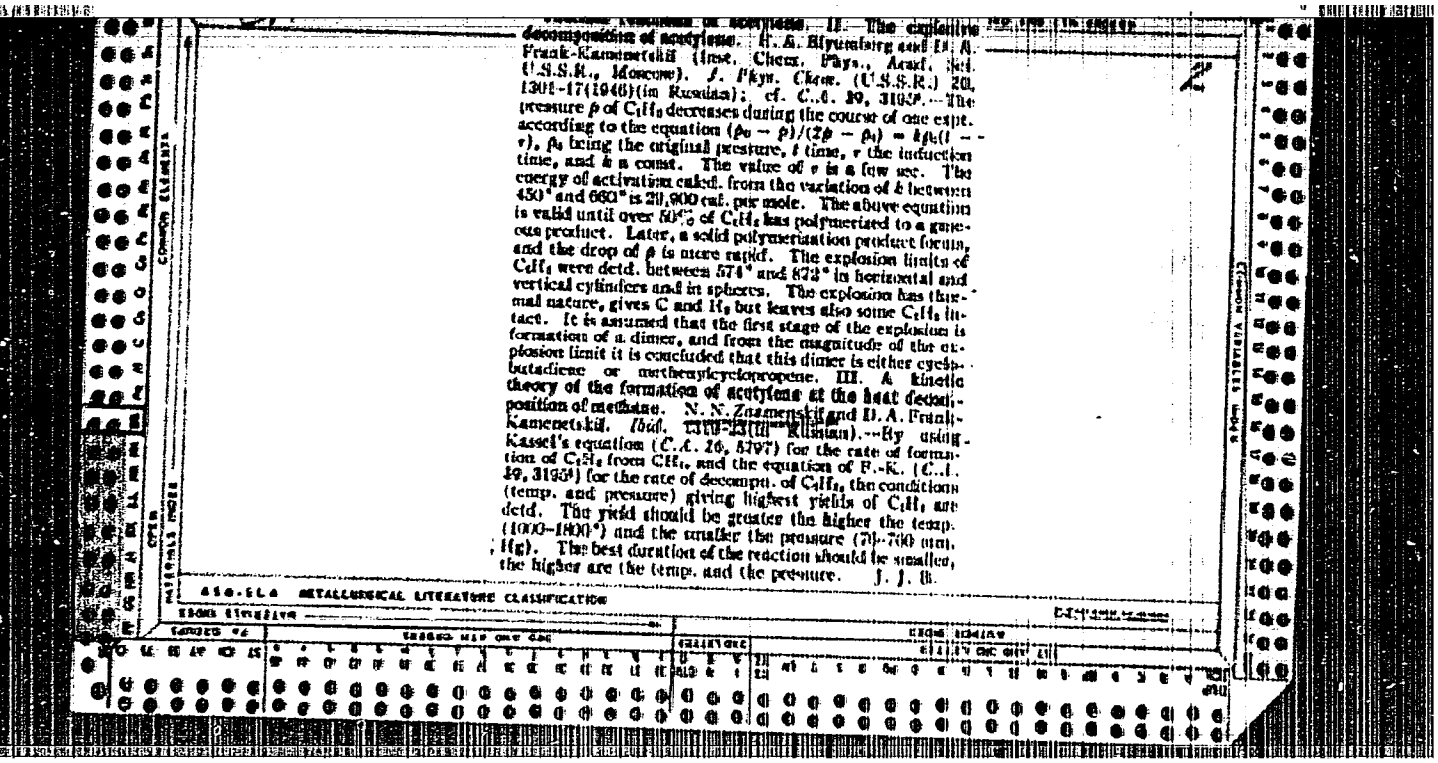
The thermal insulation of carbide shaft ovens. N. N. Zaumaskii. *J. Chem. Ind.* (U. S. S. R.) 16, No. 8, 50-7 (1939).—When vermiculite, a hydrated Mg Al silicate contg. Fe, Na and sometimes K, is heated to 600° it loses H_2O and swells to 15-20 times its original vol., forming zonolite. The latter is an excellent insulating material.
H. M. Leicester

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



decomposition of acetylene. II.—The explosive decomposition of acetylene. E. A. Blyumfeld and D. A. Frank-Kamenetskiĭ (Inst. Chem. Phys., Acad. Sci. U.S.S.R., Moscow). *J. Phys. Chem. (U.S.S.R.)* 20, 1301–17(1946)(in Russian); cf. *C.A.* 39, 3193⁸.—The pressure p of C_4H_6 decreases during the course of one expt. according to the equation $(p_0 - p)/(2p - p_0) = kp_0(t - \tau)$, p_0 being the original pressure, t time, τ the induction time, and k a const. The value of τ is a few sec. The energy of activation calcd. from the variation of k between 450° and 660° is 20,900 cal. per mole. The above equation is valid until over 50% of C_4H_6 has polymerized to a gaseous product. Later, a solid polymerization product forms, and the drop of p is more rapid. The explosion limits of C_4H_6 were detd. between 574° and 672° in horizontal and vertical cylinders and in spheres. The explosion has thermal nature, gives C and H_2 but leaves also some C_4H_6 intact. It is assumed that the first stage of the explosion is formation of a dimer, and from the magnitude of the explosion limit it is concluded that this dimer is either cyclobutadiene or methylcyclopropene. III. A kinetic theory of the formation of acetylene at the heat decomposition of methane. N. N. Zasmenskiĭ and D. A. Frank-Kamenetskiĭ. *Ibid.* 1317–23(1946)(in Russian).—By using Kassel's equation (*C.A.* 26, 5797) for the rate of formation of C_2H_2 from CH_4, and the equation of F.-K. (*C.A.* 39, 3193⁹) for the rate of decompn. of C_4H_6, the conditions (temp. and pressure) giving highest yields of C_4H_6 are detd. The yield should be greater the higher the temp. (1000–1800°) and the smaller the pressure (7)–760 mm. Hg). The best duration of the reaction should be smaller, the higher are the temp. and the pressure. J. J. B.

ZNAMENSKIY, N.N.; SELIVANOV, O.A.; FOMINA, L.S.; CHERNAYA, V.V.

Studies in the field of ultrasound application in rubber technology.
Prim. ul'traakust. k issl. veshch. no.14:145-165 '61. (MIRA 14:12)
(Elastomers--Testing)
(Ultrasonic waves--Industrial applications)

S/138/62/000/006/002/008
A051/A126

AUTHORS: Znamenskiy, N.N., Fomina, L.S., Chernaya, V.V.

TITLE: Ozone- and light-proofness of films based on L-7 latex in two--dimensional expansion

PERIODICAL: Kauchuk i rezina, no. 6, 1962, 6 - 8

TEXT: An investigation was conducted on the ozone-proofness of vulcanized films based on JI-7 (L-7) latex under two-dimensional expansion, depending on degree of expansion, ozone concentration and addition of masticator. The ozone- and light-protecting effect of certain nickel salts (dithiocarbamates, xanthogenates, etc.), was also investigated. It was found that in two-dimensional expansion the degree of expansion affects the ozone-proofness of the films much more than it does in one-dimensional expansion. The test samples for ozone-aging resistance were prepared by the ionic deposition method on special glass forms like 20 mm diameter spheres. Dibutylsebacynate, in quantities of 5 to 20% per polymer, was used as masticator. The following nickel salts were studied: Ni dibutyldithiocarbamate, Ni diisopropyldithiocarbamate, Ni diisoamyldithiocarbamate, Ni diethyldithiocarbamate, Ni mercaptobenzothiazolate, Ni mercaptobenzoimideasolate, Ni

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propylxanthogenate, Ni isoamylxanthogenate and Ni isobutylxanthogenate. 200 mm diameter spherical samples were prepared for studying the light-proofness. Experimental data showed that the ozone-proofness of samples with dibutylsebacynate is much lower than of those without a masticator. The action of Ni xanthogenates was compared to that of Ni dibutyldithiocarbamate. It was found that the best protection against ozone in films containing a masticator is obtained with Ni dibutyldithiocarbamate, at a concentration of about 3% per polymer, and the best protection against light-ozone aging is obtained with Ni isopropylxanthogenate. The indicated salts and methods are recommended for industrial use. There are 2 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy i lateksnykh izdeliy (Scientific Research Institute of Rubber and Latex Articles)

S/138/59/000/07/07/009

AUTHORS: Znamenskiy, N. N., Chernaya, V. V., Novikov, V. I.

TITLE: The Effect of Ultrasonic on Latexes

PERIODICAL: Kauchuk i Rezina, 1959, No. 7, pp. 37-40

TEXT: A study was made on the regularities of the effect of ultrasonic of various frequencies and duration on the colloidal-chemical properties of chloroprene latex, on the α- and β-varieties of the polymer. The authors briefly outline the already existing information of the effects of ultrasonic on various high polymers, given in Ref. 1-6 and 7. In studying the structural changes which may take place under the effect of ultrasonic, the authors stress the importance of considering the more complex system of latexes occurring as a result of additions of different compounds such as stabilizers and emulsifiers, etc. The experimental procedure is outlined in detail, whereby it was shown that in subjecting the latex to ultrasonic over a period of up to 90 min, the absolute viscosity of the latex decreases only slightly, the coagulation threshold increases somewhat, and the values of the pH of the latex and the solubility of the raw gel in the dichloroethane remain almost unchanged. During the process of ultrasonic treatment the degree of saturation of the particle's surface with the emulsifier and

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the size of the particles decrease, which proves that ultrasonic has a dispersing effect. The α-polymer, taken separately, and diluted in dichloroethane, is destroyed under the effect of ultrasonic to a certain degree, namely, to 6.0% of the initial one, (the relative viscosity of the solution decreases). The β-polymer, after 6 hours of treatment at a frequency of 300 kc passes over into solution in dichloroethane by as much as 7.76% of the initial amount, which shows that it has a stabler lattice structure. The results of the study of the physico-mechanical indices of the films obtained from latex, after different periods of ultrasonic treatment and conditions of vulcanization are submitted in Table 5, from which it is clearly seen that ultrasonic has a definite effect on the physico-mechanical properties of the vulcanizates. There are 5 tables, 3 graphs, 11 abstracts: 7 Soviet, 3 English, 1 German.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy (Scientific Research Institute of Rubber and Latex Products)

SOV/138-58-9-11/11

AUTHORS: Znamenskiy, N. N. and Selivanov, O. A.

TITLE: Destruction of Natural Rubber in Solution by Ultrasonic Waves (Destruktsiya natural'nogo kauchuka v rastvore pod vozdeystviyem ul'trazvuka)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 9, pp 37 - 38 (USSR)

ABSTRACT: Natural rubber in solution in benzol (0.63%) was subjected to ultrasonic vibration in the 22 - 1000 kilocycle range by a magneto-strictive generator. Destruction of the rubber was gauged by viscosity determination of the solution, using an Ostwald viscometer. Fig.1 shows the relationship between viscosity and duration of subjection to ultrasonic vibration for five different frequencies. With the exception of the curve for 1000 kilocycles, the curves fit formula (1). The material subjected to ultrasonic vibration tends to reach an equilibrium condition depending on the frequency. The final or equilibrium degree of destruction changes little in the 22 to 500 kilocycle range. At 750 kilocycles there is marked decrease in the speed and degree of destruction. At 1000 kilocycles the destruction is slight, viscosity changes show a linear

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Destruction of Natural Rubber in Solution by Ultrasonic Waves

relationship with duration of test. The curves show that the process of destruction is almost entirely completed within 30 minutes of subjection of the polymer to ultrasonic vibration under the given conditions. The relationship found between degree and speed of destruction to intensity of ultrasonic vibration, leads to the conclusion that intensities of the order of 7 to 10 watts/cm^2 are sufficient to cause a reduction of viscosity of the solution to 20% of its initial value, and this evidences considerable changes in the polymer. Fig.2 shows the relationship between viscosity (relative to initial state) and intensity of vibration (watts/cm^2) for a 30 minute test at 300 kilocycles. There are 2 Figures and 1 Table, also 5 References: 3 Soviet and 2 English.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovykh i latekznykh izdeliy (Scientific Research Institute for Rubber and Latex Products)

Card 2/2

L 42210-66 EWT(m)/EWP(j)/T/EWP(k) IJP(c) RM/DJ/GD

ACC NR: AT6013179 (A) SOURCE CODE: UR/0000/61/000/000/0145/0165

AUTHORS: Znamenskiy, N. N.; Selivanov, O. A.; Fomina, L. S.; Chernaya, V. V. 63 61 B+1

ORG: none

TITLE: Some investigations of the application of ultrasound in industrial processing of resin

SOURCE: Moscow. Oblastnoy pedagogicheskiy institut. Primeneniye ul'traakustiki k issledovaniyu veshchestva, no. 14, 1961, 145-165

TOPIC TAGS: ultrasound, emulsion, chloroprene, natural rubber, polymer degradation, elastic oscillation, ultrasonic wave propagation

ABSTRACT: Application of ultrasound in production control was investigated along the following lines: propagation velocity of ultrasonic waves as a function of the composition and method of processing resins; effect of ultrasound on natural rubber in benzene, chloroprene in dichloroethane, and chloroprene latex; application of ultrasound to intensify production of aqueous emulsions of plasticizers and to finely disperse ingredients of latex mixtures. A definite relationship was found between the propagation of elastic vibrations and the properties and compositions of rubbers and resins. Natural rubber in benzene solution is degraded when treated with ultrasound from 22 to 1000 kHz, the process depending upon the ultrasound intensity, as shown in Fig. 1. Ultrasound also degrades α-chloroprene in dichloroprene,

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L 42210-66

ACC NR: AT6013179

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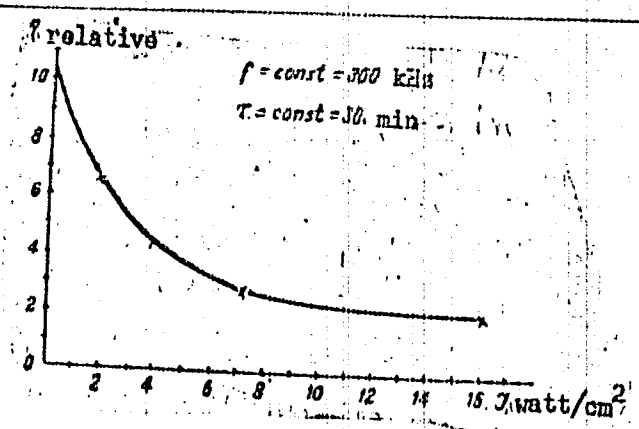
Fig. 1. Degree of polymer degradation as a function of the ultrasound intensity.



while the μ-polymer, which has a more stable three-dimensional structure, is dissolved to an insignificant extent in the solvent. A detailed description of the process for preparing finely dispersed zinc oxide and water-oil emulsions is given, and diagrams of the equipment are shown. Orig. art. has: 6 tables, 5 equations, and 18 figures.

SUB CODE: 11, 20/ SUBM DATE: 22Apr61

Card 2/2 af

ZNAMENSKIY, Petr Alekseyevich; prof.; NIKEROVA, Lidiya Ivanovna; SIDOROV, N.I., red.; TARASOVA, V.V., tekhn.red.

[Mechanics and mechanical engineering in high schools] Mekhanika i mashinovedenie v srednei shkole. Pod red. P.A. Znamenskogo. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1959. 238 p. (MIRA 12:8)

1. Chlen-korrespondent APN RSFSR (for Znamenskiy).
(Technical education)

REZNIKOV, Leonid Isaakovich; NYENCHIK, Nafir' Yefimovna; YUS'KOVICH, Vasiliy Fomich; ZNAMENSKIY, P.A., prof., retsenzent; SAKHAROV, D.I., dotsent, retsenzent; BLUDOV, M.I., retsenzent; TENOKHOVICH, A.S., starshiy nauchnyy sotrudnik, retsenzent; YAVORSKIY, B.M., prof., doktor fiz.-matem.nauk, red.; SIDOROV, N.I., red.; LAUT, V.G., tekhn.red.

[Methods of teaching physics in secondary schools] Metodika prepodavaniia fiziki v srednei shkole. Pod red. B.M.Iavorskogo. Moskva, Izd-vo Akad.pedagog.nauk RSFSR. Vol.1. [Mechanics] Mekhanika. 1958. 286 p. (MIRA 12:9)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Znamenskiy).
(Mechanics--Study and teaching)

(

SOV/47-59-3-8/53

AUTHOR: Znamenskiy P.A., Professor, (Leningrad)

TITLE: Soviet Physicists-Pedagogues-Orest Danilovich Khvol'-son (On the 25th Anniversary of His Death)

PERIODICAL: Fizika v shkole, 1959, Nr 3, pp 20-21 (USSR)

ABSTRACT: This article praises the physicist Orest Danilovich Khvol'son, former professor of the Petersburg university, on the 25th anniversary of his death. There is 1 photograph.

Card 1/1

ZAVELENSKIY, F. A.

"Improvement of Teaching Level in Physics"
Izv. Akad. Ped. Nauk. RSFSR, No 42, 1953, pp 215-268

The work concerns improvement of science teaching methods at the 189th school in Leningrad. Most attention is paid to the revealing of functional relation between physical magnitudes, improvements of laboratory demonstrative experiments, more emphasis on theoretical physics, in spite of insufficient prerequisites in mathematics for the time being. (RZhFiz, No 2, 1955)

So: Sum. 432, 12 May 55

ZNAMENSKIY, P.A., professor. (Leningrad)

S.S. Moshkov; obituary. Fiz. v shkole 17 no.1:95 Ja-F '57. (MLRA 10:2)

(Moshkov, Sergei Sergeevich, 1906-1956)

KARPOVICH, Anatoliy Boleslavovich; ZNAMENSKIY, P.A., professor; GUS'KOV, G.G. redaktor; MUKHINA, T.N., tekhnicheskiy redaktor

[Collection of problems and questions in physics (classes 8-10)] Sbornik zadach-voprosov po fizike (VIII-X klassy). Pod red. P.A. Znamenskogo. Moskva, Izd-vo Akademii pedagog. nauk RSFSR, 1956. 139 p. (MLRA 10:1)

1. Chlen-korrespondent APN RSFSR. (for Znamenskiy)
(Physics--Problems, exercises, etc.)

ZNAMENSKIY, Petr Alekseyevich; MOSHKOV, Sergey Sergeyevich; PIOTROVSKIY, Mikhail Iulianovich; RYMKEVICH, Pavel Adamovich; SHVAYCHENKO, Ivan Markovich; GOBANOV, A.A., red.; RAKOVITSKIY, I.G., tekhn.red.

[Collection of questions and problems in physics for grades 8-10 in secondary schools] Sbornik voprosov i zadach po fizike dlia VIII-X klassov sredniei shkoly. Pod red. P.A.Znamenskogo. Izd.11. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1959. 191 p. (MIRA 12:6)

(Physics--Problems, exercises, etc.)

ZNAMENSKIY, P. A.

Physics - Study and Teaching

"Collected problems and questions in physics for 8th-10th classes of the secondary school." Reviewed by G. P. Shishov. Fiz. v shkole 12 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

ZNAMENSKIY, P.A. (Leningrad).

V.A.Ziber; obituary. Fiz. v shkole 13 no.3:95 My-Je '53. (MLRA 6:6)
(Ziber, Vladimir Aleksandrovich, 1886-1953)

C/A

Author: Znamenskii, P. A.

Title: Physics Laboratory Course in Secondary Schools. v. illus.

Date: [illegible] [illegible]

Subject: Physics–Laboratory manuals.

Available: Library of Congress, Call No: [illegible]

Source: Lib. of Cong, Subj. Cat., [illegible]

Author: Znamenskii, P. A.

Title: Physics Laboratory Courses in Secondary Schools. v. illus.

Date: 1948. Leningrad.

Subject: Physics--Laboratry manuals.

Available: Library of Congress, Call No: QC35.26

Source: Lib. of Cong. Subj. Cat., 1951

ZNAMENSKIY, P.A.

KUROMTSEV, Kirill Alekseyevich, uchitel'; ZNAMENSKIY, P.A., prof., red.; SHAPOSHNIKOVA, A.A., red.; LAUT, V.G., tekhn.red.

[Practical work in electric engineering in the schools] Prakticheskie raboty po elektrotekhnike v shkole. Pod red. P.A.Znamenskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1957. 74 p. (MIRA 11:4)

1. Shkola No.250 Leningrada (for Kuromtsev). 2. Chlen-korrespondent APN RSFSR (for Znamenskiy)
(Electric engineering)

ZHMYENKOV, P.V.

AUTHOR: None Given SOV-47-58-5-26/28

TITLE: An All-Russian Conference on Textbooks in Physics (Vserossiyskoye soveshchaniye po uchebnikam fiziki)

PERIODICAL: Fizika v shkole, 1958, Nr 5, pp 90-95 (USSR)

ABSTRACT: From 23 to 26 June an All-Russian Conference took place at the RSFSR Ministry of Education which was devoted to the discussion of the composition of an ideal physics textbook. It was attended by a great number of teachers of physics from Moscow, Leningrad and other cities, by workers of pedagogical institutions and the Academy of Pedagogical Sciences. The following reports were heard: "The Place, System and Contents of a Course in Physics at the Secondary School" by V.F. Yus'kovich, Head of the Laboratory of Methods in Physics of the Institute of Methods of Instruction, RSFSR Academy of Pedagogical Sciences; "Requirements, a First Grade Physics Textbook Should Meet" by the Docent of the Moscow Oblast Pedagogical Institute S.I. Ivanov; "An Analysis of English, French and US School Physics Textbooks" by L.I. Reznikov, Senior Scientific Worker of the Institute of Methods of Instruction; "An Analysis of Physics Textbooks for Secondary Schools in Czechoslovakia and the German Democratic Republic"

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An All-Russian Conference on Textbooks in Physics SOV-47-58-5-26/28

by Professor A.G. Kalashnikov, Regular Member of the Academy of Pedagogical Sciences. The Conference participants also heard the report of Professor P.A. Znamenskiy, Member-Correspondent of the Academy of Pedagogical Sciences, on "Requirements, a Second Grade Physics Textbook Should Meet". The ensuing discussions dealt with many questions pertaining to the contents of secondary school physics courses and contained critical remarks on existing textbooks. Special commissions discussed thoroughly the requirements of first and second grade textbooks. Physics textbooks must be composed according to a definite, scientifically-based methodical system. The article quotes the full contents of the requirements as elaborated by the Conference.

1. Physics--Textbooks 2. Physics--USSR

Card 2/2

Voprosy volnovoi teorii sveta v kurse fiziki srednei shkoly (Problems of the wave theory of light in the physics course of secondary schools). Posobie dlia uchitelei fiziki. Moskva, Akad. ped. nauk RSFSR, 1954. 111 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 7, Oct. 1954

ZHAMENSKIY, P.A. (Leningrad).

V.A.Ziber; obituary. Fiz. v shkole 13 no.3:95 My-Je '53. (MLRA 6:6)
(Ziber, Vladimir Aleksandrovich, 1886-1953)

ZNAMENSKIY, P.A., professor [reviewer]; MITKEVICH, V.F., akademik [author].

"Magnetic flux and its transformation." V.F.Mitkevich. Reviewed by P.A. Znamenskii. Fiz.v shkole 7 no.1:91 '47. (MLRA 6:11)
(Magnetic induction)

ZNAMENSKIY, P.A., professor (Leningrad).

Physics courses in secondary school. Fiz.v shkole 7 no.1:44-53 '47.
(MLRA 6:11)
(Physics--Study and teaching)

ZNAMENSKIY, P.A. [reviewer].

"Progress in the physical sciences"; a periodical. Reviewed by P.A.Znamenskii. Fiz.v shkole 7 no.1:91-92 '47. (MLRA 6:11)

(Physics--Periodicals)

ZHAMENSKIY, P.A., professor (Leningrad).

Extracurricular activities in physics. Fiz.v shkole 7 no.2:19-29 '47. (MLRA 6:11)

(Physics--Study and teaching)

ZHAMENSKIY, P.A.

Professor V.N.Verkhovskii; [obituary]. Fiz.v shkole 7 no.4:94-95 '53. (MLRA 6:11)

(Verkhovskii, Vadim Nikandrovich, 1873-1947)

ZNAMENSKIY, Petr Alekseyevich; BARKOVSKIY, I.V., redaktor; KIRNARSKAYA, A.A., tekhnicheskiy redaktor

[Methods of teaching physics in the secondary school; manual for teachers] Metodika prepodavaniia fiziki v srednei shkole; posobie dlia uchitelei. Izd. 2-e, perer. Leningrad, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, Leningradskoe otd-nie, 1954. 550 p. (MLRA 8:4)
(Physics--Study and teaching)

ZNAMENSKIY, P.A., prof., red.; NIKEROVA, L.I., starshiy nauchnyy sotr.; SHAPOSHNIKOVA, A.A., red.; KOSAREVA, Ye.N., tekhn. red.; DOBROKVASHINA, A.M., tekhn. red.

[Teaching physics and the fundamentals of production; from the experience of Leningrad schools] Prepodavanie fiziki i osnov proizvodstva; iz opyta raboty shkol Leningrada. Pod red. P.A.Znamenskogo i L.I.Nikerovoi. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1961. 118 p. (MIRA 14:12)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut vechernikh (smennykh) i zaochnykh srednikh shkol. 2. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Znamenskiy).
(Physics—Study and teaching)
(Leningrad—Education, Cooperative)

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